

MITREGA, Jan, inz.

Concentration of production as basis for increased labor productivity in the mining industry. Przegl gorn 17 no.9:441-442 3 '61.

1. Minister Gornictwa i Energetyki.

MITREGA, Jan, inz.

Miners' May Day in the new Five Year Plan. Przegl. gorn. 17 mili.  
259-260 My '61.

1. Minister Gornictwa i Energetyki, Posel na Sejm Polskiej  
Republiki Ludowej.

MITREGA, Jan, inz.

The power balance problem and the development of the national economy. Energetyka Pol. 15 no.9:260-262 S '61.

1. Minister Gornictwa i Energetyki, Warszawa.

MITREGA, J., inz.

Greetings of the Minister of Mining for the miners on their  
holiday. Wiadom gorn 12 no. 12:405 D '61.

1. Minister Gornictwa i Energetyki, Warszawa.

MITREGA, Jan, inz.

The new Szczygłowice mine turned over for coal winning.  
Wiadom ~~gaz~~ 12 no.10:325-327 0 61.

1. Minister Gornictwa i Energetyki, Warszawa.

MITREGA, Jan, inz.

Problems of raw materials for electric power engineering.  
Wiadom gorn 12 no.3:72-77 Mr '61.

1. Minister Gornictwa i Energetyki, Warszawa.

MITREGA, Jan, inz.

Importance of coal in the national economy and certain problems concerning mining in People's Poland. Wiadom gorn 12 no.1/2:  
1-6 Ja-F '61.

1. Minister Gornictwa i Energetyki, Warszawa.

MITRENGA, Yan, inzh.

Coal mining and electric power plant in Turoszow. Nauka i zhyttia  
11 no.5:44-45 My '61. (MRA 14:7)

1. Ministerstvo gornoy promyshlennosti i energetiki Pol'skoy Narodnoy  
Respubliky.

(Turoszow, Poland--Coal mines and mining)  
(Turow, Poland--Electric power plants)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134700024-6

✓  
Soviet (USSR); Given Name

Country: Poland

Academic Degree: Engineer

Affiliation: Minister of Mines and Power of the People's Republic of  
Poland (Ministr Kopalni i Energii R.P.) released.

Source: Bucharest, Stiinte si Tehnică, No. 5, 1961, pp 6-9.

<sup>See</sup>  
Name: "Brown Coal Explosives Update."

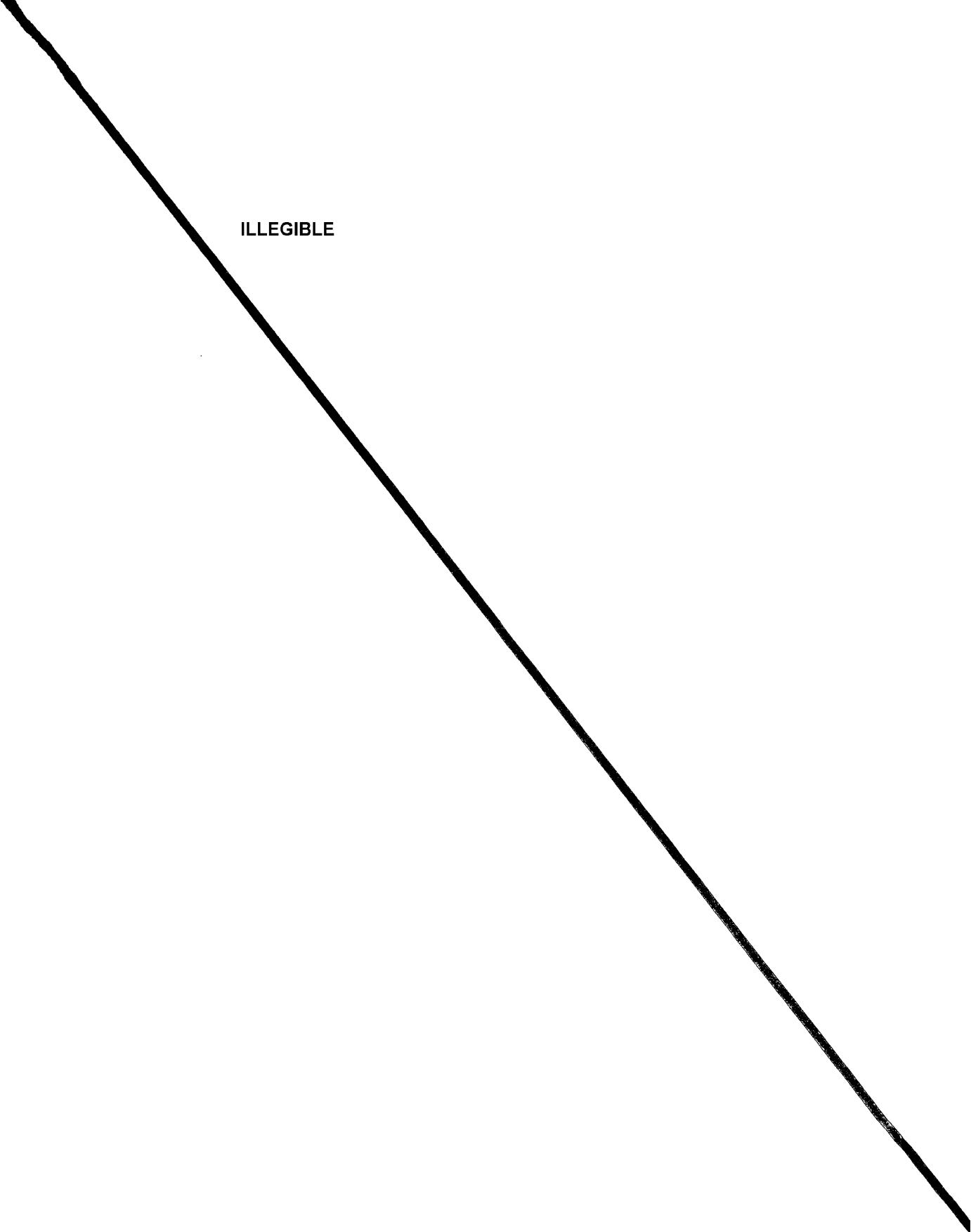
MITREGA, Jan, inz.; KOLCZYNKI, E.

Because of Power Engineering Day. Energetyka Pol 14 no.9:257-258 '60.  
(EEAI 10:1)

1. Minister Gornictwa i Energetyki Przewodniczacy Zarzadu Glownego  
Zwiazku Zawodowego Pracownikow Energetyki.  
(Poland--Electric power)

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ILLEGIBLE



MITREGA, J.

Changes of the social and living conditions in mining. 1946-1959. p.4

PRZEGLAD TECHNICZNY. (Naczelna Organizacja Techniczna) Warszawa, Poland  
Vol.80, no.42, Oct 1959

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no.1, Jan. 1960

Uncl.

MITREGA, Jan, inz.

Evaluation of the up to now course of realization of the  
resolutions of the 5th Plenum of the Central Committee of  
the Polish United Workers' Party in the coal industry.  
Wiadom gorn 11 no. 12:423-428 D '60.

1. Minister Gornictwa i Energetyki, Warszawa.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134700024-6

MITREGA, Jan, mgr inz.

Construction of new mines during the 20 years of the Polish  
People's Republic. Przegl gorn 20 no.9:395-399 3 '64.

1. Minister of Mining and Power Engineering, Warsaw.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134700024-6

MITREGA, J., inz.

Secretary General of Association of

The Association of Mining Engineers and Technicians on the  
15th anniversary of People's Poland. Address: gorn 10 no. 9:  
286-292 S '59.

1. Minister Gornictwa i Energetyki, Warszawa.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134700024-6

MITREGA, J.

"Association of Mining Engineers and Technicians discussing the 5-Year Plan."

p. 45 (Przeglad Gorniczy) Vol. 12, no. 2, Feb. 1956  
Katowice, Poland

SO: Monthly Index of East European Accessions (MIA) LC. Vol. 7, no. 4,  
April 1958

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134700024-6

DIOSI, P.; HENTIU, V.; BIRT, E.; MITREA, I.; STEFANESCU, C.

Epidemiological considerations related to the staphylococcal infection observed in a closed group of children. Microbiologia (Bucur) 6 no.1: 65-66 Ja-F '61.

X

DIGSI, P.; HENTIU, V.; BIRT, E.; LAZAR, L.; MITREA, I.

Research on the contamination of the parturient with pathogen staphylococci by way of the genitals and transmission of the infection to the fetus during labor. Microbiologia (Bucur) 6 no.1:64 Ja-F '61.

\*

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134700024-6

DIOSI, P.; HENTIU, V.; GEORGESCU, C.; MITREA, I.

Chemosensitive research on pathogen staphylococcal strains isolated from cow's milk. Microbiologia (Bucur) 6 no.1:58-59 Ja-F '61.

DIOSI, P.; HENTZIU, V.; BIRT, E.; LAZAR, L.; MITREA, I.

Studies on the infection of parturient women with pathogenic staphylococci by the genital route and on the transmission of the infection to fetuses during labor. J. hyg. epidem., Praha 5 no.4:423-430 '61.

1. Centre d'Hygiene, Brasov.

(STAPHYLOCOCCAL INFECTION in pregn)  
(LABOR compl) (INFANT NEWBORN infect)

BULGARIA/Nuclear Physics - Cosmic Rays.

C

Abs Jour : Ref Zhur Fizika, N. 9, 1959, 19956

Author : Mitravi, L.

Inst :

Title : Use of Radioactive Isotopes

Orig Pub : Matem. i fizika, 1958, 1, No 4, 41-45

Abstract : No abstract.

Card 1/1

- 22 -

ZINOV'YEVA, Kh.G.; MITRAZOVA, Ye.V.; KANTOROVICH, R.M.; BONDARENKO, M.M.

Preservation of azotobacterin. Mikrobiol.zhur. 16 no.2:20-24 '54.  
(MLRA 8:5)

1. Z Institutu mikrobiologii AN URSR i Kiiv'skogo zavodu bakterial'-nykh dobriv.

(AZOTOBACTER)  
(FERTILIZERS AND MANURES)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134700024-6

MITRASINOVIC, M. D.

The Sixth World Petroleum Congress, Nafta Jig 12 no. 6:176 Je '61.

(Petroleum)

MITRASINOVIC, M.D.; DUKANOVICEVA, A.B.

Oxidized and nonoxidized oil shales of Aleksinac. Glas Nen dr 19  
no.8:503-510 '54.

1. Zavod za goriva i maziva Hemiskog instituta Prirodno-matematičkog  
fakulteta, Beograd.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134700024-6

MITROMINOVIC, M. D.

"Naptha and its derivatives, their properties and uses." p. 14  
(Nauka I Tehnika Vol. 9, no. 1, Jan. 1953. Beograd.)

SO: Monthly List of East European Accessions, Vol. 3, No. 6, Library of Congress,  
Feb. 1954, Unc.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134700024-6

HITMKVIC, D.

"A Radiotape on the Soviet and (American) Right, a Step Toward U.S.-USSR  
p. 11  
(URSSKAIA MAMA, Vol. 31, 1973, no. 1, Jan. 1973)

JO: Monthly List of East European Acquisitions, II, Vol. 3, no. 1, May 1974/ vol.

ACC NR: AP7003864

SOURCE CODE: BU/0011/66/019/012/1131/1133

AUTHOR: Boev, K.; Mitrani, L.; Ganchev, M.

ORG: Institute of Physiology, Bulgarian Academy of Science; National Research Institute of Oncology, Sofia, Bulgaria

TITLE: A rapid method of obtaining isodoze curves for the human organism

SOURCE: Bulgarska akademiya na naukite. Doklady, v. 19, no. 12, 1966,  
1131-1133

TOPIC TAGS: ionizing radiation, ~~isodose curves~~, ionization dose, radiation dose, radio therapy, ionization detection, ~~RADIobiological INSTRUMENTATION~~, ~~BioDCGIMETRY~~

ABSTRACT: The authors propose a simplified photographic method, involving the use of electronic apparatus, to determine the amount and distribution of ionizing radiation in the human organism. The method is said to be less time consuming than most methods used today, and to provide sufficiently accurate results. The method is recommended for routine examinations. [SP]

SUB CODE: 06 /SUBM DATE: none/ORIG REF: 003/SOV REF: 001/  
Con 1/1 OTH REF: 002/

ID 0824-66

ACCESSION NR: AP5020686

ENCLOSURE: 01

O

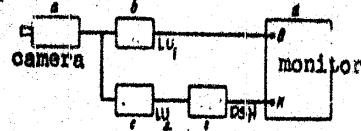


Fig. 1.

Block diagram of the instrument:  
a - camera; b, c - linear amplifiers; d - monitor; e - discriminator

*MAB*  
Card 3/3

L 00824-66

ACCESSION NR: AP5020686

the receiving tube electron beam, produce a completely darkened sun disk image on the screen, with only the sunspots emerging. For measuring the sunspot area ( $LU_1$  is off), the discrimination level is set, and the screen shows a darkened sun disk with the sunspots showing up as uniform spots with a maximum brightness. A photocell measures the total intensity of these sunspots, which is proportional to their area. Calibration tests showed that the photocurrent vs sunspot area plot is linear for a 13-fold increase in sunspot area. The circuit diagram is included, and improvements eliminating the photometer are explained. Orig. art. has: 4 figures.

ASSOCIATION: Institut fiziologii, Bolgarskoy Akademii nauk (Institute of Physiology, Bulgarian Academy of Sciences); Sofiyskiy Universitet, fizicheskiy fakultet, Bolgarskaya Narodnaya respublika (Department of Physics, Sophia University, People's Republic of Bulgaria)

SUBMITTED: 17 Dec 64

ENCL: 01

SUB CODE: AA,EC

NO REF Sov: 000

OTHER: 000

Card 2/3

L 00624-66 EWT(d)/EWT(1)/EEC(k)-2/ENG(v)/EEC-4/EBC(c)-2/EED-2 GN

ACCESSION NR: AP5020686

UR/0033/65/042/004/0861/0863

523.740

43

AUTHORS: Boyev, K.; Mitrania, L.; Ormandzhiyev, S.

55 55 55

39

TITLE: An electronic device for discriminative measurements of sunspot areas

SOURCE: Astronomicheskiy zhurnal, v. 42, no. 4, 1965, 861-863

12;55

TOPIC TAGS: sunspot, television receiving system, discriminator, brightness, measuring instrument 9m

ABSTRACT: An instrument operating on Brightness discrimination has been developed for measuring sunspot areas. It permits visual investigation of regions with different brightnesses, measuring their areas directly and continuously. A television camera (see Fig. 1 on the Enclosure) converts the sun's image to electric pulses which are fed simultaneously to linear amplifiers LU<sub>1</sub> and LU<sub>2</sub>. The video signal from LU<sub>1</sub> is fed to the Wehnelt cylinder of the television monitor receiving tube, producing an image of the sun and its sunspots. The output of LU<sub>2</sub> is sent to a Schmidt discriminator (DSH) which produces pulses with a time width corresponding to the dimension of the section of the object with a brightness exceeding a selected value. These pulses, by interrupting

BOEV, K.; TCHACAROV, E. [Chakarov, E.]; NATSCHEV, Tsch. [Nachev, Ch.];  
ORMANDSCHIEV, S. [Ormandzhiev, S.]; MITRANI, L.

Cytological analyzer with a dual discriminator. Doklady BAN 17  
no.11:1063-1066 '64.

1. Physiological Institute of the Bulgarian Academy of Sciences.  
Submitted March 26, 1964.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134700024-6

MITRANI, L.; GRIGOROVICH, S. [Grigorevich, S.]; BOEV, K.; TSUKAROV, E.  
[Tsukarov, E.]; GORILOV, Tch. [Gorilov, Ch.]; VELAROV, V. [Velarov, V.]  
[Stakarov, V.]; DIMITROV, Tch. [Dimitrov, Ch.]

The discriminator, a cytoplanimeter. Doklady BAN II no.8:773-776 '64.  
Doklady BAN 17 no.8:773-776 '64.

1. Lehrstuhl für Atomphysik an der Universität Sofia, Radio-  
biologische Abteilung beim Ministerium für Gesundheitswesen,  
Physiologisches Institut der Bulgarischen Akademie der Wissenschaften,  
und Onkologisches wissenschaftliches Forschungsinstitut.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134700024-6

1977-1978, 1978-1979, 1979-1980

1. Order of Attala Flora, State University of Florida, Gainesville  
and Rio, Y., Mississippi.

BONCHEV, Ts.; MITRANI, L.; ORMANDZHIYEV, S. [Ormandzhiev, S.];  
SKORCHEV, B.; UZUNOV, I.

The Moessbauer effect in  $W^{182}$  studied with the aid of the  $\gamma - \gamma$  coincidence method. Doklady BAN 16 no.1:15-18 '63.

1. Predstavлено акад. Кhr. Krhistovym.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134700024-6

MITRANI, L.; BONCHEV, T.

Behavior of organic scintillators under high voltage. Doklady  
BAN 16 no.5:477-479 '63.

1. Submitted by Academician H. Hristov [Hristov, Kh.].

MITRANI, L., dots; RAITCHEV, P.

Are there scales for particles? Pt.2. Nauka i tekhnika  
15 no.6: 5-7 Je'63.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134700024-6

MITRANI, L., dots.

The particle, a specter. Nauka i tekhnika 14 no.8:6-8 Ag '62.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134700024-6

MITRANI, L.

Delegates of infinity. Mat 1 fiz Bulg 5 no.6:13-18 N-D '62.

20921  
Absorption of nuclear-active cosmic-...

8/056/61/041/004/004/019  
B100/B102

Y. Kokh, G. Taler, K. Tsige'man, and Y. Shnirer for the installation of the experimental device, and I. Rupp for assistance in calculations. Mention is made of Sh. A. Azimov, V. F. Vishnevskiy, N. I. Khilko (DAN SSSR, 16, 231, 1951), and of K. P. Ryzhkova and L. I. Sarycheva (ZhETF, 23, 618, 1955). There are 2 figures, 1 table, and 8 references: 3 Soviet-bloc and 5 non-Soviet. The four references to English-language publications read as follows: I. Tinlot, Phys. Rev., 72, 1197, 1948; L. Hodson, Proc. Phys. Soc., A65, 702, 1952; E. P. George, A. Jason, Proc. Phys. Soc., A63, 1081, 1950; H. S. Bridge, R. H. Rediker, Phys. Rev., 88, 206, 1952.

ASSOCIATION: Tsentral'nyy nauchno-issledovatel'skiy institut fiziki Vengerskogo Akademii nauk, Budapest (Central Scientific Research Institute of Physics of the Hungarian Academy of Sciences, Budapest) (G. Bozoki, E. Fen'vesh, T. Shandor), Institut yadernoy fiziki v Bukharoete, Rumyniya (Institute of Nuclear Physics in Bucharest, Romania) (O. Balca, M. Batagui, Ya. Fridlender), Fizicheskiy institut s Atomnoy nauchno-eksperimental'noy bazoy v Sofii, BelGariya (Institute of Physics With Atomic Scientific Test Base in Sofia, Bulgaria) (B. Betev, Sh. Kavlavkov, L. Mitran).

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3

26931  
S/055/61/041/004/004/019  
B103/B102

| Place of measurement             | Depth, g/cm <sup>2</sup> | Coincidences per hour |
|----------------------------------|--------------------------|-----------------------|
| Bucharest (80 m above sea level) | 1009                     | 1.00 ± 0.04           |
| Budapest (410 m)                 | 969                      | 1.55 ± 0.04           |
| Buchteni (950 m)                 | 907                      | 2.37 ± 0.04           |
| Pik Stalina (2925 m)             | 703                      | 13.67 ± 0.11          |

The absorption mean free path  $\lambda_a$  for nuclear-active particles in air was found to be  $(119 \pm 1)g/cm^2$ . From the frequency of coincidences, the authors estimated the particle mean energy to amount to 30 Bev. The authors thank Professor L. Yanoshi, Professor G. Nadzhatov, and Professor I. Auslender for their interest and advice, N. Akhababyan, I. Kh. Ionin,

Card 243

3,2410

2821

3/056/61/041/004/004/019  
3108/3102

AUTHORS: Bozoki, G., Tsvavach, N., Shandor, T., Balog, O., Batognai, M.,  
Fridlender, Ya., Botev, S., Kavlkov, Sh., Mitrani, L.

TITLE: Absorption of nuclear-active cosmic-ray particles in air

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 41,  
no. 4(10), 1961, 1043-1045

TEXT: The absorption of the nuclear-active component of cosmic radiation in air was measured at various altitudes above sea level. Showers were recorded with a coincidence arrangement of counters installed in a lead block (Fig. 1). The muon background was measured in Budapest 8 m underground (17 m water equivalent) to secure the recording of sixfold-coincidences due to muons only. The sixfold coincidences were recorded by the pair-connected counters 5 and 7, and 6 and 8. This underground measurement, together with the other measurements at various altitudes, made it possible to obtain corrections for background to the coincidence measurements with nuclear-active cosmic-ray particles. Results:

Card 1/A<sub>3</sub>

KALCHEV, K.; BONEV, L.; MITRANI, L.; DESSEV, G.[Desev, G.]; ROBEV, S.

Studies on the possibility of eliminating radioactive strontium from milk by means of ion-exchange resins. Doklady BAN 14 no.5:475-478 '61.

1. Research Base on the Problems of Radiation Diseases and Radiological Protection at the Onkological Research Institute, Sofia. Submitted by Corresponding Member Al. Spassov[Spasov, Al.]

(Strontium) (Milk) (Radioactivity)

S/035/62/000/002/009/653  
ACG1/AIC1

AUTHORS: Mitrani, L., Betev, B., Kavtakov, Shch., Apostolov, D.

TITLE: Twenty-seven-day variation in intensity of -meson component of cosmic radiation during enhancement of solar activity

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodesiya, no. 3, 1960, p. 56.  
abstract 3A277 ("Izv. Fiz. in-t s ANB", 1961, v. 9, no. 1, 121-131,  
Bulgarian; Russian and English summaries)

TEXT: In 1957 - 1958 during the IGY continuous measurements of -meson component of cosmic radiation were carried out. For this purpose, two crossed narrow-angle counter telescopes were used which were mounted at a distance of 30° from zenith. The data of these measurements were subjected to periodic analysis for detecting the existence of a 27-day period in variations of cosmic radiation intensity. The existence of such a periodicity is proven. Intensity variations in this period correspond to inverse phase of variation in the number of sunspots on the Sun.

From author's summary

[Abstracter's note: Complete translation]

Card 1/1

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134700024-6

MITRANI, Leon; BONCHEV, Tsvetan

The Mossbauer effect. Resonance absorption of gamma rays. Fiz mat  
spisanie BAM 4 no.4:241-249 '61.

Properties of halogen ...

5/14/61/303/001/016/10  
52K7/B301

shown that the dead time of C might be reduced to ~10 nanoseconds which differs little both from that of the multivibrator and the average lifetime of negative ions (~8.7  $\mu$ sec.). The curves of  $N_C/N_0^0 = f(t)$  are given for various amplitudes of the quenching pulse and of the C supply voltages. At large voltages, e.g., 400 V, the curves exhibit a maximum for values of t equal to  $t_{\max} = 10 \mu$ sec., owing to the formation of negative ions during the discharge. This maximum decreases with the amplitude of the quenching pulse increasing from 100 to 530 V. The last value corresponds to the case when during the quenching pulse a voltage of opposite polarity is applied to C. 7 references. /Abstracter's note: Complete translation.

Card 2/2

q.b.150  
AUTHORS:

TITLE:

PERIODICAL: Referativnyj zhurnal, avtom. i radioelektronika, no. 2, 1962, (abstract, Avtom. i radioelektronika, 1960, 8, 7)-90

TEXT: The results of experimental investigation of an arrangement permitting measurement of the time interval between pulses appearing during time  $C$  and for determining the period of the discharge of the anode of a CIC-5 (STS-5) counter (C) after a given pulse had been terminated. The arrangement consists of a multivibrator and a network with a capacitor. The multivibrator is connected to the anode of the C and produces the quenching pulses of varying amplitude and frequency. The multivibrator was designed by a network with RC = 1 microsecond. The experiments have .12

BULGARIA/Nuclear Physics - Installations and Instruments.  
Methods of Measurement and Research.

C-

Abs Jour : Ref Zhur Fizika, No 3, 1960, 5147

of the conducting tube of the multivibrator is lower than the Geiger region. The pulse in the first counter causes re-operation of the multivibrator, which simultaneously reduces the voltage on the first counter, below the Geiger region (quenching of the discharge), and establishes the working voltage on the second counter. Thus the use of such a circuit is practically equivalent to pulsed-feeding of Geiger-Muller counters, and the frequency of the pulse-feeding is varied automatically with intensity of the measured radiation. The number of registered pulses is independent of the duty-cycle coefficient. An additional advantage of such a system is that it serves simultaneously as a scaler circuit. Working parameters of a circuit are given, intended for use with STS-5 counters.

Card 2/2

- 15 -

BULGARIA/Nuclear Physics - Installations and Instruments.  
Methods of Measurement and Research.

C-

Abs Jour : Ref Zhur Fizika, No 3, 1960, 5147  
Author : Mitrani L., Betev B.  
Inst :  
Title : Trigger Feeding of a Couple of Geiger-Muller Counters  
Orig Pub : Kokl. Bolg. AN, 1958, 11, No 5, 363-366

Abstract : A method is proposed for connecting two Geiger-Muller counters in such a way as to reduce considerably the depth time of the system. The filaments of both G-M counters are connected to anodes of the tubes of the multivibrator with two stable states. On the cathodes of the counters is applied a negative potential. The parameters of the circuits are chosen to satisfy the condition that the voltage on the counter, connected to the anode of the cut-off tube of the multivibrator, lies within the Geiger region, whereas the voltage on the counter connected to the anode

Card 1/2

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5. Friedlander, E.M. A High Energy Meson Shower With an Anomalous Angular Spread

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| 2. Mitrani, L. Measurements of the Rossi Curve at Great<br>Absorber Thicknesses   | 11 |
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## SECOND SESSION

## EXTENSIVE AIR SHOWERS

- |  |    |
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Card 2/6

MITRANI, L.

21(1)

PHASE I BOOK EXPLOITATION

HUN/1911

International Conference on Cosmic Radiation. Budapest, 1956.

International Conference on Cosmic Radiation Organized by the Hungarian Academy of Sciences. Budapest, 1957. 187 p.  
200 copies printed.

Sponsoring Agency: Magyar Tudomanyos Akademia

Eds.: E. Fenyves, and A. Somogyi

PURPOSE: This report is intended for geophysicists concerned with cosmic radiation.

the papers read at  
COVERAGE: This report contains the six plenary sessions of the conference. Some of the problems dealt with include nuclear emulsions, extensive air showers and the program of cosmic ray measurements planned for the International Geophysical Year. Most of the reports are followed by references. Soviet scientists in the field of cosmic radiation who attended the conference are: E.L. Andronikashvili, N.A. Dobrotin, I.I. Gurevich, S.I. Nikolskiy and S.N. Vernev. The articles are written in English, German and Russian without parallel translations.

Card 1/6

UZUNOV, Iv.; MITRANI, L.

Simple indicator of gamma and roentgen rays. Suvrem. med., Sofia  
7 no.1:84 1956.

1. Iz rentgenovia institut pri ISUL. (Direktor: prof. G. Tenchov).  
(RADIATION COUNTERS,  
gamma & x-ray simple indicators. (Bul))

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134700024-6

RETRAIT, I.; ORMANDSCHIN, S.; TROJANOW, H.; WAGNER, R.

U.S. AIR FORCE INFORMATION AGENCE, WASHINGTON, D.C., TELEGRAM, 10 MAY 1973, 773-776-16A.

1. Vorgelegt von C. H. Gandy, zentraler Fliegerhorst Kommando,

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134700024-6

MITRANI, L.

Nuclear Reactors,  
TEKHNIKA (Engineering), 7:24:Oct-Nov 55

Bulgaria/Nuclear Physics - Instruments and Installations. Methods of  
Measurement and Investigation

C-2

Abst Journal : Referat Zhur - Fizika, No 12, 1958, 33851

and  $f$  the frequency of the pulsating voltage. Characteristic maxima are obtained for certain frequencies; the presence of the maxima does not depend on the intensity of the radiation or on smaller variations in the supply voltage. The phenomena observed are closely linked to the mechanism of the discharge in the counter, but their theoretical interpretation is made difficult by the complexity of the phenomena.

MITRANI, L.

Bulgaria/Nuclear Physics - Instruments and Installations. Methods of  
Measurement and Investigation

C-2

Abst Journal : Referat Zhur - Fizika, No 12, 1956, 33851

Author : Mitrani, L. and Drazhev, M.

Institution : None

Title : Supply of Geiger-Mueller Counter with Pulsed Voltage

Original

Periodical : Izv. B"lgar. AN., Division of Physical Mathematical and Technical  
Sciences, physics series, 1955, 5, 67-75 (Bulgarian; resumes  
in Russian and German)

Abstract :

Experimental data are given on certain relationships when a Geiger-Mueller counter is fed with pulses. A d-c voltage, smaller than the firing voltage, is applied to the Geiger-Mueller counter, and on it is superposed a rectangular voltage, which causes the counter to operate. Curves are given for the dependence of the average counter current on the frequency of a pulsating voltage for various values of  $\tau_f$ , where  $\tau$  is the width of the rectangular pulses,

Card 1/2

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134700024-6

MITRANI, L.

Nuclear reactors. p. 24.

Vol. 4, no. 7, Oct./Nov. 1955  
TEKHNIKA  
Sofiya, Bulgaria

So: Eastern European Accession Vol. 5 No. 4 April 1956

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134700024-6

LITRANI, L.

"What a hydrogen bomb is" (p.38) PRIRODA  
(Bulgurska Akademia Na Naukite) Sofiya Vol 2 No 6 Nov/Dec 1953

SO: East European Accessions List Vol 2 No 6 Aug 1954

*MITRANI L.*

BULGARIA / Cosmochemistry. Geochemistry.  
Hydrochemistry.

D

Abs Jour: Ref Zhur-Khimiya, No 19, 1958, 64061

Author : Yordanov N, Zhelav Zh, Mitrani L

Inst : Not given

Title : Concerning the Absolute Geological Age of  
Magnetite from Vitosha Mountain Determined by  
the Helium Method.

Orig Pub: Izv. khim. in-t, Bulg. AN, 1957, 5, 103-112

Abstract: By means of the described method, 2 samples of  
magnetite from pegmatitic veins were studied.  
Content was: U  $6.2 \cdot 10^{-4}$  and  $6.5 \cdot 10^{-4}\%$ , Th  $2.8 \cdot 10^{-3}$   
and  $2.5 \cdot 10^{-3}\%$ , He  $4.24 \cdot 10^{-5}$  and  $4.14 \cdot 10^{-5}$  ml/g.

Card 1/2

MITRANT, L.; NATCHEV, Tch. [Nachev, Ch.]; TCHAKAROV, E. [Chakurov, E.];  
ORMANDJIEV, S. [Ormandzhiev, S.]; BOEV, K.; KOLAROV, V.

Systems of discrimination in cytological analysis. Doklady  
BAN 16 no.2:213-216 '63.

1. Note présentée par D. Orakovats [Orakovits, D.], membre  
de l 'Académie.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134700024-6

MITRANI, L., dots.; RAICHEV, P.

Fiald, matter, antiportals. Pt. 1. Nauka i tekhn. mladest. 15  
no. 7/8; 25-28 Jl-Ag '63.

DRAGULESCU, C., prof.; MITRANESCU, Maria

Potentiometric titration of VO<sub>3</sub> with hydrazine sulfate. Studii chim  
Timisoara 9 no.1/2:21-25 Ja-Je '62.

1. Membru corespondent al Academiei R.P.R., membru al Comitetului de  
redactie si redactor responsabil, "Studii si cercetari, Stiinte chimice" -  
Timisoara - (for Dragulescu).

DRAGULESCU, C., prof.; MITRANESCU, Maria

New indicators for the titration of hydrazine sulfate, Studii chim  
Timisoara 9 no.1/2:13-20 Ja-Je '62.

1. Membr corespondent al Academiei R.P.R., membru al Comitetului de  
redactie si redactor responsabil, "Studii si cercetari, Stiinte chimice" -  
Timisoara - (for Dragulescu).

DRAGULESCU, G., prof.; MITRANESCU, Maria

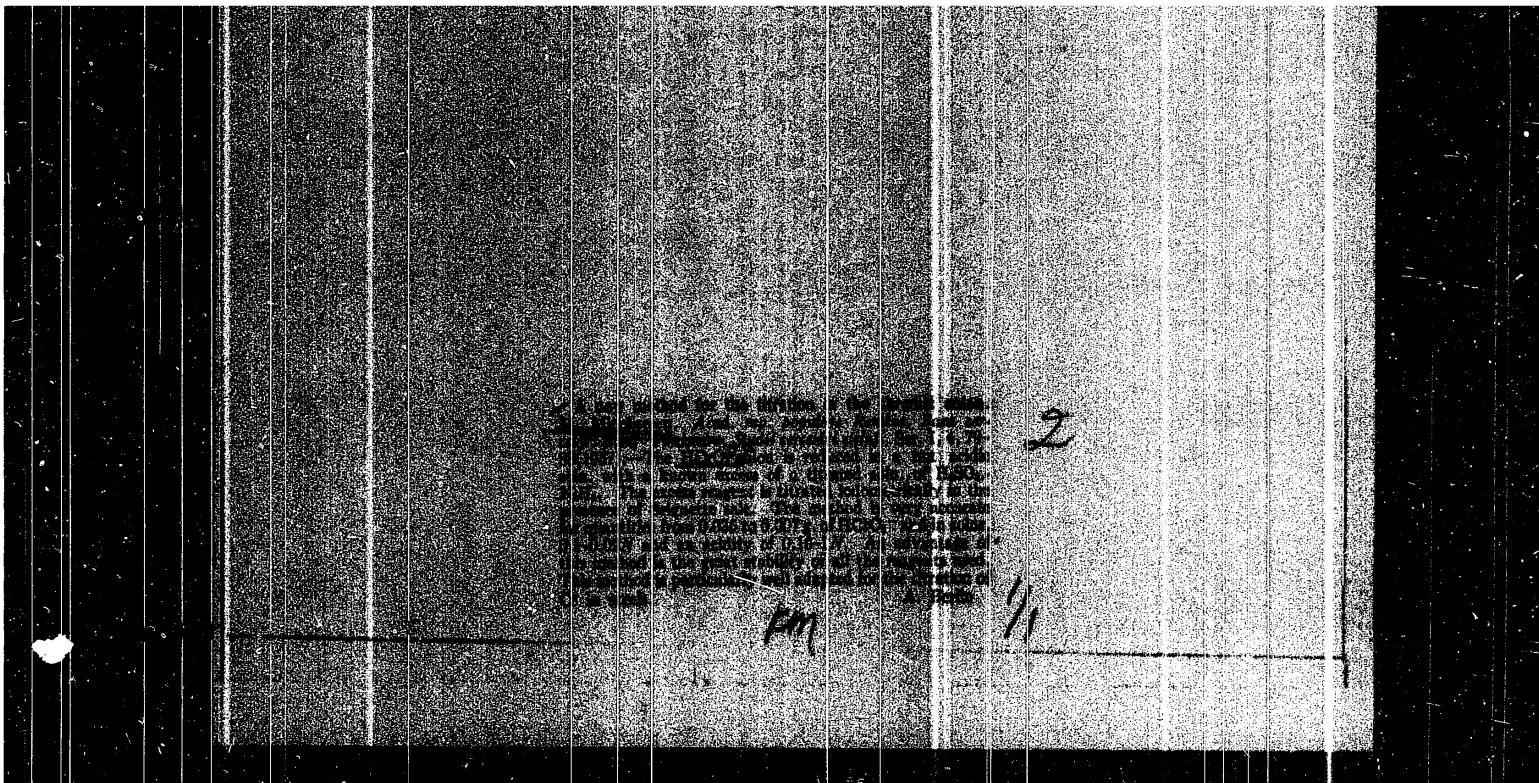
Potentiometric titration of  $Tl^{3+}$  with hydrazine sulfate. Studii chim Timiscara 8 no.3/4:195-199 J1-D '61.

1. Membru corespondent al Academiei R.P.R., membru al Comitetului de redactie si redactor responsabil, "Studii si cercetari, Stiinte chimice" (Timisoara) (for Dragulescu)

MITRANESCU, M.

New indicators used in the bromatometric titration. Studii chim  
Timisoara 6 no.3/4: 53-59 Jl-D '59. (EEAI 10:4)  
(Indicators and test-papers) (Potassium bromate)  
(Arsenic) (Antimony) (Anilinophenylazobenzenesulfonic acid)  
(Bromometry) (Congo red)  
(Aminonaphthylazobenzenesulfonic acid)  
(Xylenol blue) (Sodium)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134700024-6



RUSSIA / Analytical Chemistry. Analysis of Inorganic  
Substances.

B-2

Abs Jour : Ref Zhur - Khim., No 16, 1958, No 49998

Author : Dragulescu, C.; Mitrancescu, M.

Inst : Not given

Title : Titration of Bivalent Tin with Solution of  $\text{Co}(\text{SO}_4)_2$  Using  
System o-Phenanthrolino -  $\text{FeSO}_4$  as Indicator.

Orig Pub : Comun. stiint. si tehn., 1958, 1, 77 - 84.

Abstract : 0,1 - 0,01 N solutions of  $\text{Sn}^{2+}$  are titrated in an acid me-  
dium with a solution of  $\text{Co}(\text{SO}_4)_2$  in the presence of phenan-  
throlino -  $\text{FeSO}_4$  until the bright red color of the solution  
changes into a blue one. The solution of  $\text{Co}(\text{SO}_4)_2$  is pro-  
pared by dissolving  $\text{CoO}_2$  in concentrated  $\text{H}_2\text{SO}_4$  at  $125^\circ$  and  
then diluting it to an acidity of 1 - 2 N with respect to  
 $\text{H}_2\text{SO}_4$ . The titer of the solution prepared is found using

Card 1/2

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134700024-6

MITRAN, I.; PRALEA, I.

Granulation of powdered superphosphate in plate-type  
granulators. Rev chimie Min petr 15 no. 3; 129-132  
Mr '64.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134700024-6

MITRAN, Grigore

Electrification of the railroad stations, Rev sailor fer 12  
no. 5:243-247 My '64.

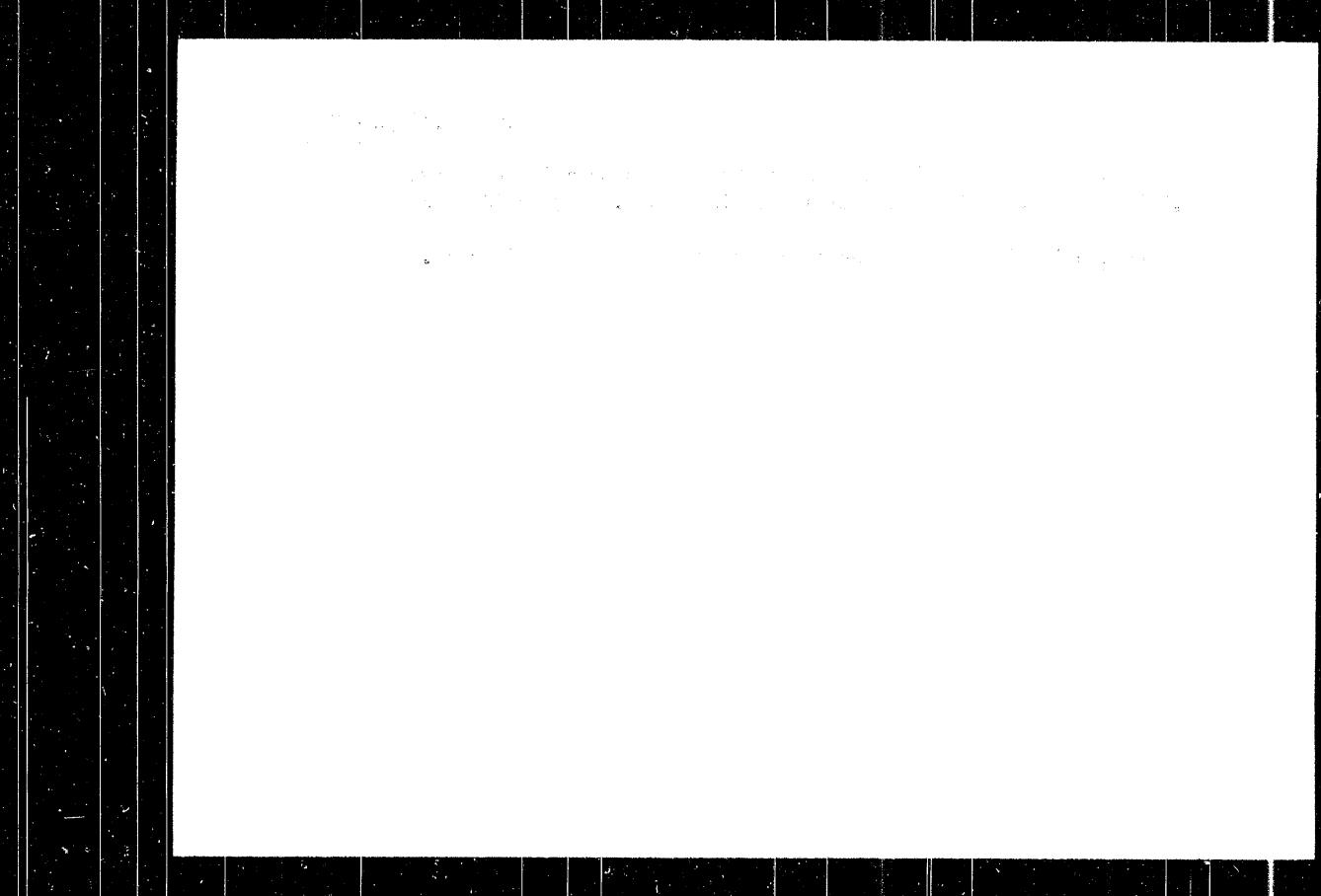
1. Engineer specialist, Planning Institute for Transport and  
Telecommunications.

MITTRAN, Gras, 1 g.

Increasing the traffic capacity of single lines of railroads  
by partially doubling them. Rev. callor for 12 no. 3:123-126  
Mr. '64

1. Planning Institute for Transportation and Telecommuni-  
cation.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134700024-6



MITRAN, G.

History of the Gara de Nord railroad station of Bucharest. p. 373.

REVISTA CAILOR FERATE. (Caiile Ferate Române) Bucuresti, Romania.  
Vol. 7, no. 7, July 1959.

Monthly list of East European Accessions (EEAI) LC Vol. 9, no. 2, Feb. 1960

Uncl.

|           |   |  |       |
|-----------|---|--|-------|
| Country   | : | Rumania  | E-2   |
| Category  | : | Analytical Chemistry -- Analysis of inorganic substances   |       |
| Abs. Jour | : | Referat Chir - Khim, No 13, 1956   | 49580 |
| Author    | : |  |       |
| Institut. | : |  |       |
| Title     | : |  |       |
| Orig Pub. | : |  |       |
| Abstract  | : | of 80-120 drops/min; the column is rinsed free of solution residue with 75 ml 0.1 N HCl and 50 ml water. The $\text{SO}_4^{2-}$ is determined in the effluent solution by the use of $\text{Ba}^{2+}$ . The time required for the determination is 10 min. The accuracy of the determination of S is satisfactory. |       |

B. Manole

|            |   |   |       |
|------------|---|---|-------|
| Country    | : | Rumania   | E-2   |
| Category   | : | Analytical Chemistry - Analysis of inorganic substances   | 45530 |
| Author     | : | Raznat Zhur - Khim., No 13, 1959  |       |
| Page       | : |   |       |
| Pub. Date  | : |   |       |
| Page       | : |   |       |
| Editor     | : |   |       |
| Lang. Pub. | : |   |       |
| Abstract   | : | no 1 plugs); the resin is soaked in water for 24 hr prior to the analysis. The column is washed with 5-10% HCl solution (200 ml) and water (500 ml). The sample of ore to be analyzed is oxidized by fusion, treated with bromine, and dissolved in 50 ml 0.3 N HCl, after which the solution is boiled (5-6 drops of perhydrol are added when necessary), filtered, and the precipitate is washed with hot water. The filtrate obtained is passed through the column at a rate |       |

Card: 2/3

|           |  |       |
|-----------|--|-------|
| Country   | : Romania  | 2-2   |
| Category  | : Analytical Chemistry - Analysis of Inorganic substances  |       |
| Abs. Jour | : Referat Zhar - Nauk, No 13, 1959   | 4736C |
| Author    | : Ionescu, H., Demetrescu, A., and Hirian, E.  |       |
| Institut. | : Not given  |       |
| Title     | : Application of Ion Exchange Resins to the Analysis of Ores by the Lunge Method   |       |
| Orig Pub. | : Rev Minelor, 9, No 10, 473-475 (1958)  |       |
| Abstract  | : The authors propose the utilization of cation exchange resins of the type of methylene phenol-sulfonic acid polymers for the removal of heavy metal cations which interfere with the determination of $\text{SO}_4^{2-}$ during the analysis of ores by the Lunge method; the proposed modification replaces the two-fold precipitation of the heavy metals with ammonia. The separation is carried out in a column of 5-cm diam, which is packed with 25-30 gm of resin (placed between two glass |       |

MITRA, B.

Determination of the value of antioxidants for inhibiting  
oxidation. p. 421. Vol. 6, no. 9. Sept. 1955. PETROL CI GAZ. Bucuresti.

SOURCE: Last European Accessions List (SEAL), LC, Vol. 5, No. 2. Feb. 1956.

MITRAN, Cozma

Optimal conditions of work and living for the machine operators. Munca sindicat nr. 8, 33-34, Ag '63.

1. Presedintele comitetului sindicalului de la Stationarea de masini si tractoare Cobadin, reg. Dolj.

L 33707-66 T JK

ACC NR: AP6025165

SOURCE CODE: RU/0012/65/061/004/0655/0664

AUTHOR: Mitran, C. (Doctor, Colonel); Vurtejani, F. (Chemist)

21  
C

ORG: none

TITLE: Contributions to the early diagnosis of epidemic hepatitis

SOURCE: Revista sanitara militara, v. 61, no. 4, 1965, 655-664

TOPIC TAGS: hepatitis, urology, diagnostic medicine

ABSTRACT: The authors discuss their experiences with use of measurements of the changes in urobilinogen in the urine as an early indicator of epidemic hepatitis. On the basis of 1963 determinations carried out systematically since 1956, they find the method a highly effective indicator. The most successful methodology is described, and the results obtained in numerous cases and under different conditions are presented. Orig. art. has: 1 table. [JPRS: 33,500]

SUB CODE: 06/ SUBM DATE: 15Oct64/ ORIG REF: 031/ OTH REF: 001

Card 1/1 PB

0916

0571

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134700024-6

MITRAKOVIC, B.; DESPOTOVIC, S.; MILJANIC, P.; SKENDZIC, D.; VOLCKOV, I.

Activities of the Nikola Tesla Electrotechnical Institute  
in 1962. Elektroprivreda 16 no.10:506-519 0163.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134700024-6

MITRAKOVIC, B.; DESPOTOVIC, S.; KREZEVIC, V.; SKEMDIC, D.

Work of the Electrotechnical Institute "Nikola Tesla" of  
Belgrade in 1961. Elektroprivreda 15 no.5:227-234 My '62.

1. Institut "Nikola Tesla," Beograd.

SHABOLTAS, B.B.; DAVYDOV, V.V.; KORENDYASEV, V.V.; MITRAKOV, V.I.

Use of chemical solutions in sinking an inclined shaft.  
Shakht. stroi. 8 no.2:29-30 F '64. (MIRA 17:3)

1. Aleksandriyskiy ugel'no-gornorudnyy kombinat (for  
Shaboltas). 2. Institut gornogo dela imeni A.A. Skochinskogo  
(for Davydov, Korendyasev, Mitrakov).

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134700024-6

DAVYDOV, V.V., kand. tekhn. nauk; KOREDYASEV, V.V., inzh.; MURKOV, V.T.,  
inzh.

Synthetic resin for decreasing the inrush of water during  
shaft sinking. Shchukt. stroy. 8 no. 421-13 Ap'64 (MLR-1157)

1. Institut gornogo dela imeni A.A. Skochinskogo.

MIRRAKOV, I.L., inzhener.

Impressions from the 6th International Invention Exhibition in  
Brussels. Izobr.v SSSR z no.5:31-35 My '57. ("IBA 10:7")  
(Brussels--Inventions--Exhibitions)

KHACHATRYANTS, I.T.; OVCHINNIKOV, E.V.; GOLOVACHEV, V.N.;  
MITRAKOVICH, T.M.; BRCZD, G.V.; PEKALOV, N.G.;  
VLADIMIROV, D.A.

[Small-scale mechanization in the construction industry  
and its effectiveness] Malaya mekhanizatsiya "stroitel'-  
stva i ee effektivnost". Minsk, Izd-vo M-vn vyshego,  
srednego spetsial'nogo i professional'nogo obrazovaniya  
BSSR, 1963. 33 p. (MIRA 17:8)

MITRAKHOVICH, S.

Encouragement and punishment of children by their parents.  
Rab. 1 sial. 35 no.8:22 Ag '59. (MIRA 12:12)

1. Zaveduyushchiy uchebnoy chast'yu Minskoy sredney shkoly No.27.  
(Children--Management)

MITRACHE, Veselina, studenta (Bucuresti); BARTA, Catalina, studenta (Bucuresti)

"Ethnography of continents." Vol. 1 and 2. Reviewed by Veselina  
Mitrache and Catalina Barta. Natura Geografie 14 no.4:63-65 Jl-Ag  
'62.

WOLFSHAUT, C.; IONESCU, D.; CRISTOVEANU, Ana; STROE, Emilia; BUSILA, Eugenia;  
SAVESCU, Gh.; CALU, Sanda; MITRACHE, Lumina

Problems concerning a case of hyperadrenocorticism. Stud. cercet.  
endocr. 13 no.5:699-702 '62.  
(ADRENAL CORTEX HYPERFUNCTION) (ADRENGENITAL SYNDROME)

IOANITIU, D.; DINULESCU, Elena; ESANU, C.; MITRACHE, Ludmila; KIM-HO-YUN

Disorders of protein metabolism in clinical hyperthyroidism and  
hypothyroidism. Stud. cercet. endocr. 13 no.5:663-673 '62.

(HYPERTHYROIDISM) (HYPOTHYROIDISM)  
(PROTEIN METABOLISM DISORDERS) (BLOOD PROTEIN ELECTROPHORESIS)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134700024-6

DANILA-MUSTER, Aneta; DAMIAN, Elena; MITRACHE, Ladmila

Study of the clinical, biochemical and hormonal effects of lipid extract of the ovary. Stud. cercet. endocr. 15 no.6:541-545 '64.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134700024-6

MILCU, St.-M., acad.; ESANU, C.; MITRACHE, Ludmila; DINULESCU, Elena;  
GRIGORESCU, A.

Pathology of lipid metabolism in obese patients. Stud. cercet.  
endocr. 16 no.3:270-277 '65.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134700024-6

MITRACHE, Elena, ing., corespondent; ENESCU, Constantin, corespondent;  
SENCOVSKI, Nicolae, corespondent

New constructions at the Cimpulung-Muscel. Constr Buc 16 nr. 2611  
8 Ag '64.

EPUREANU, Mircea, technician; MITRACHE, Elena, ing.; DEMENY, Octan,  
technician

Reduced consumption of wood for construction site organization.  
Constr Buc 16 no. 749:3 16 May '64.

1. Regional Trusts for Housing Construction, Arges (for  
Mitrache).

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134700024-6

KITRACHE, Elena, Ing., CIRCON.

Cisterns of reinforced concrete made with ordinary cement  
Constr. Bad 17 no. 790;4 21 f. 61.

EAST GERMANY/Physical Chemistry. - Surface Phenomena.  
Adsorption. Chromatography. Ion Exchange.

B-13

Abs Jour : Ref Zhur - Khimiya, No 8, 1958, 24360

due to a lowering of the activity of Fe and Al; it is  
possible that in the alkaline range there takes place an  
exchange of  $\text{PO}_4^{3-}$  and  $\text{OH}^-$  ions in the crystal lattice of  
the minerals.

Card 2/2

/3

MITRA, S. P.

B-13

EAST GERMANY/Physical Chemistry - Surface Phenomena,  
Adsorption. Chromatography. Ion Exchange.

Abs Jour : Ref Zhur - Khimiya, No 8, 1958, 24360

Author : Mitra, S.P., Prakash Dharam

Inst :  
Title : Adsorption of Phosphate by Indian Clays (Kaolinite and  
Montmorillonite) at Different pH Values.

Orig Pub : Z. phys. Chem. (DDR), 1957, 207, No 3-4, 205-209

Abstract : Determinations were made of the adsorption of phosphates  
from solutions of  $H_3PO_4$ ,  $KH_2PO_4$ ,  $K_2HPO_4$ ,  $K_3PO_4$ , at pH  
4-9, on kaolinite (I) and montmorillonite (II) of Indian  
deposits. I and, to a lesser degree, II absorb phospha-  
tes over the entire pH range. Adsorption is greater in  
the acid range due to the formation, at the surface of  
the minerals, of phosphates of Fe (with I) and Al (with  
I and II). With increase of pH the adsorption decreases

Card 1/2

PGLAND/Physical Chemistry - Surface Phenomena, Adsorption, Chromatography, Ion Exchange. B.

Abs Jour : Ref Zhur - Khimiya, No 14, 1958, 46164  
Author : S.P. Mitra, Dharam Prakash.  
Inst : Academy of Sciences of Poland.  
Title : Effect on the Ratio of the Volume of the Leaching Solution and Weight of the Mineral, and Dilution in the Exchange of Calcium, Magnesium, Potassium and Sodium from Different Cation Exchange Systems.  
Orig Pub : Bull. Acad. polon. Sci., 1957, Cl. 3, 5, No 12, 1149-1156, XCIV.  
Abstract : The exchange of Ca, Mg, K and Na ions of siliceous minerals as, for example, kaolinite, montmorillonite, halloysite, vermiculite, biotite and muscovite depends on the ratio of the mineral to the solution.

Card 1/2

Card 2/2

MITRA, S.K.; ROSENBERG, G.V., [translator]; MAKAROVA, Ye.A., [translator]  
KRAKOVSKIY, V.I., redaktor; AL'PERT, Ya.L., redaktor; YEGOROVA,  
N.B., redaktor; SHAPOVALOV, V.I., tekhnicheskiy redaktor.

[The upper atmosphere. Translated from the English] Verkhniaia  
atmosfera. Perevod s angliiskogo G.V.Rosenberga i E.A.Makarovoii.  
Pod red. V.I.Krasovskogo i Ia L.Al'pera. Moskva, Izd-vo Inostrannoi  
lit-ry, 1955. 639 p. [Microfilm] (MLPA 9:1)  
(Atmosphere, Upper)